Uniden®

UBC73XLT SCANNER

100 Channels

6 Pre-Programmed Service Banks

with Close Call™ RF Capture

For more exciting new products please visit our website:

Australia: ***www.uniden.com.au***
New Zealand: ***www.uniden.co.nz***

OWNER'S **MANUAL**

Precautions

Before you use this scanner, please read and observe the following.

EARPHONE WARNING!

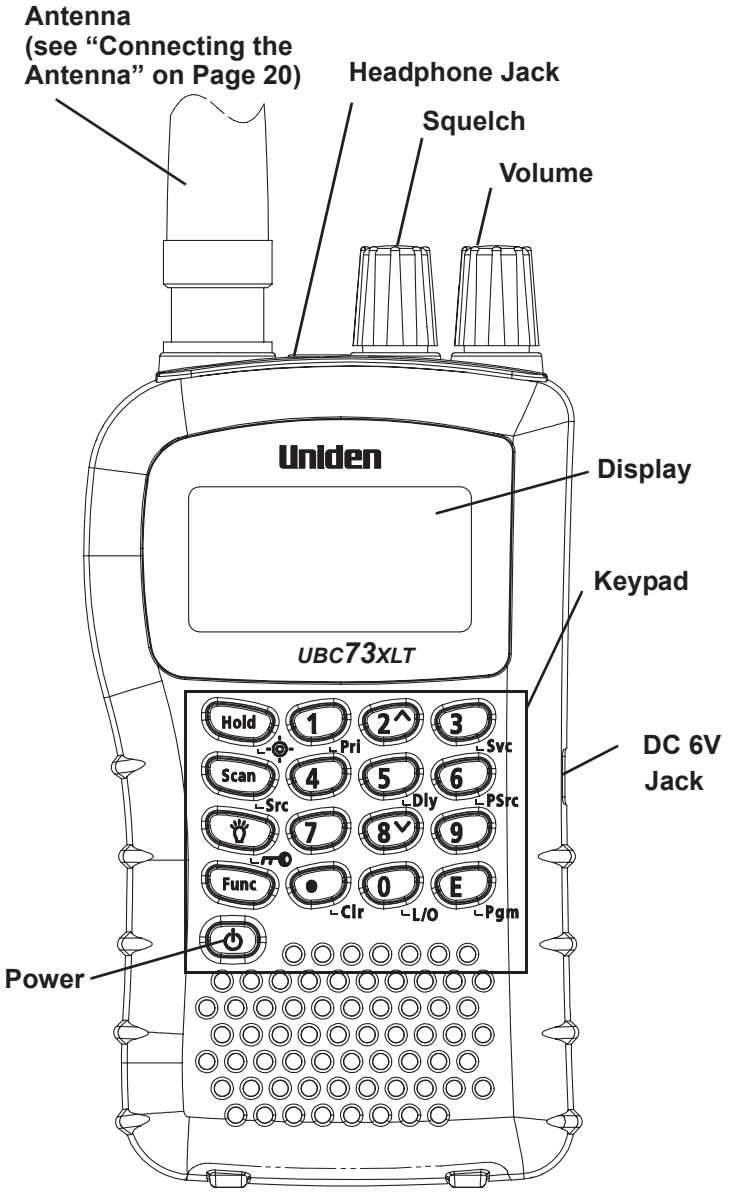
Use only a genuine Uniden earphone. An incorrect earphone may be hazardous to your hearing. Turn down volume before connecting the earphone and then adjust volume to suit.

WARNING!

Uniden **does not** represent this unit to be water-proof. To reduce the risk of fire or electrical shock, **do not** expose this unit to rain or moisture.

Trademarks used throughout this manual are the property of their respective holders.

UBC73XLT Controls and Display



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Introduction

Thank you for purchasing a Uniden UBC73XLT Handheld Scanner. The scanner is versatile, compact, and easy to use. In addition to its standard scanning features, your scanner also includes Close Call™ RF capture technology designed to help you detect and identify strong local radio signals in your area.

You can program up to 100 frequencies into the scanner's memory. The scanner lets you scan transmissions and is preprogrammed with service banks for your convenience. You can quickly search those frequencies most commonly used by police and other agencies, without tedious and complicated programming.

Use your scanner to monitor:

- Police
- Marine band
- Air band
- AM CB
- UHF CB
- Railroad

This table lists the frequency ranges, default frequency step, default mode (AM or FM), and type of transmissions you can hear for each range.

Frequency Range (MHz)	Step (kHz)	Mode	Transmission
25.0-27.995	5	AM	Citizens Band/ Business Band
28.0-69.995	5	FM	10 Meter Amateur Band
70.0-88.0	12.5	FM	6 Meter Amateur Band
108.0-136.9875	12.5	AM	Aircraft Band
137.0-147.995	5	FM	2 Meter Amateur Band
148.0-174.0	12.5	FM	VHF High Band
400.0-512.0	6.25	FM	Land Mobile Band

Feature Highlights

Close Call*TM* RF Capture Technology - you can set the scanner so it detects and provides information about nearby radio transmissions. See "Close Call™ RF Capture Technology" on Page 34 for more information.

Pager Screen - lets you set the scanner so it does not detect pager frequencies during Close Call search.

Chain Search - lets you enter personal search bands in 10 locations and search all locations in a chain of frequency bands.

Triple-Conversion Circuitry - virtually eliminates any interference from IF (intermediate frequency) images, so you hear only the selected frequency.

Channel-Storage Banks - the scanner has 10 banks. You can store up to 10 frequencies into each bank (for a total of 100 frequencies), so you can more easily identify calls.

Two-Second Scan Delay - delays scanning for about 2 seconds before moving to another channel, so you can hear more replies that are made on the same channel.

Lock-Out Function - lets you set your scanner to skip over specified channels or frequencies when scanning or searching.

Priority Channels - lets you program one channel in each bank (10 in all) and then have the scanner check that channel every 2 seconds while it scans the bank, so you do not miss transmissions on those channels.

Six Service Banks - frequencies are preset in separate police, railroad, aircraft, marine, UHF CB, and AM CB banks, to make it easy to locate specific types of calls.

Police, railroad and AM CB preset frequencies in the service bank are valid for Australia ONLY. Aircraft, Marine and UHF CB preset frequencies are valid for both Australia and New Zealand.

Key Lock - lets you lock the scanner's keys to help prevent accidental changes to the scanner's programming.

Direct Access - lets you directly access any channel.

Display Backlight - makes the scanner easy to read in low-light situations.

Flexible Antenna with BNC Connector - provides adequate reception in strong signal areas and is designed to help prevent antenna breakage. Or, you can connect an external antenna for better reception.

Memory Backup - keeps the frequencies stored in memory for an extended time if the scanner loses power.

Three Power Options - let you power the scanner using internal batteries, external DC power using the included cigarette lighter charger or external AC power using an optional AC adapter.

Key Confirmation Tones - the scanner sounds a tone when you perform an operation correctly, and an error tone if you make an error.

Battery Low Alert - warns you when battery power gets low.

About This Manual

The screen displays used in this manual are representations of what might appear when you use your scanner. Since what you see depends on the frequencies for your area and the settings you select, you might notice some differences between what is in this manual and what appears on your scanner.

To get the most from this manual, review the contents to become familiar with the basic functions available. If you are new to scanning, be sure to read “Understanding Scanning” on Page 11 for a quick background on the technology behind the hobby. The first thing you’ll need to do is install batteries in the scanner. Then you need to connect the included antenna to the scanner. See “Using Internal Batteries” on Page 15 and “Connecting the Antenna” on Page 20 if you need any help doing this.

Understanding Scanning

This section provides you with background on how scanning works. You don't really need to know all of this to use your scanner, but some background knowledge will help you get the most from your UBC73XLT.

What is Scanning?

Unlike standard AM or FM radio stations, most two-way communications do not transmit continuously. Your UBC73XLT scans programmed channels until it finds an active frequency, then stops on that frequency and remains on that channel as long as the transmission continues. When the transmission ends, the scanning cycle resumes until the scanner receives another transmission.

What is Searching?

The UBC73XLT can search for active frequencies. This is different from scanning because you are searching for frequencies that have not been programmed into the scanner. When you select frequency bands to search, the scanner searches for any active frequency within the lower and upper limits you specify. When the scanner finds an active frequency, it stops on that frequency as long as the transmission lasts. If you think the frequency is interesting, you can program it into one of the banks. If not, you can continue to search.

Conventional Scanning

Conventional scanning is a relatively simple concept. Each group of users in a conventional system is assigned a single frequency (for simplex systems) or two frequencies (for repeater systems). Any time one of them transmits, their transmission always goes out on the same frequency. Up until the late 1980's

this was the primary way that radio systems operated.

Even today, there are many 2-way radio users who operate using a conventional system:

- Aircraft
- Amateur radio
- PRS (UHF CB) users
- Broadcast AM/FM/TV stations
- Many business radio users

When you want to store a conventional system, all you need to know is the frequencies they operate on. When you are scanning a conventional system, the scanner stops very briefly on each channel to see if there is activity. If there isn't, the scanner quickly moves to the next channel. If there is, then the scanner pauses on the transmission until it is over.

Simplex Operation

Simplex systems use a single frequency for both transmit and receive. Most radios using this type of operation are limited to line-of-sight operation. This type of radio is frequently used at construction job sites, and with inexpensive consumer radios such as PRS (UHF CB) radios. The range is typically 1.5-12 km, depending upon the terrain and many other factors.

Repeater Operation

Repeater systems use two frequencies: one transmits from the radio to a central repeater; the other transmits from the repeater to other radios in the system. With a repeater-based system, the repeater is located on top of a tall building or on a radio tower that provides great visibility to the area of operation. When a user transmits (on an input frequency), the signal is picked up by the repeater and retransmitted (on an output frequency). The user's radios always

listen for activity on the output frequency and transmit on the input frequency. Since the repeater is located very high, there is a very large line of sight. Typical repeater systems provide coverage out to about a 40 km radius from the repeater location.

Where To Obtain More Information

By itself, this manual really only provides part of what you need to know to have fun scanning – how to program and use the scanner.

Information On The Internet

The Internet is a great source for current frequencies and information about scanning.

Many web sites have lists of frequencies for your area. You can use a search engine to find and use them.

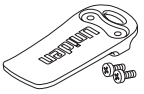
Make a list of the agencies you want to listen to, then look up the frequencies and systems used by those agencies.

You may visit the Uniden websites listed below for information regarding scanner frequencies. Click on 'Products' from the main page and then click on 'Scanning Receivers'.

For more information about Uniden and our other products, visit *http://www.uniden.com.au* and *http://www.uniden.co.nz.*

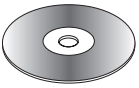
Included With Your Scanner

Owners Manual

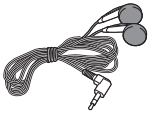


Belt Clip

Scanner and Antenna



Frequency CD



Earphone

Cigarette Lighter Charger

Note: If any of these items are missing or damaged, contact your place of purchase.

Setting Up Your Scanner

These guidelines will help you install and use your new scanner:

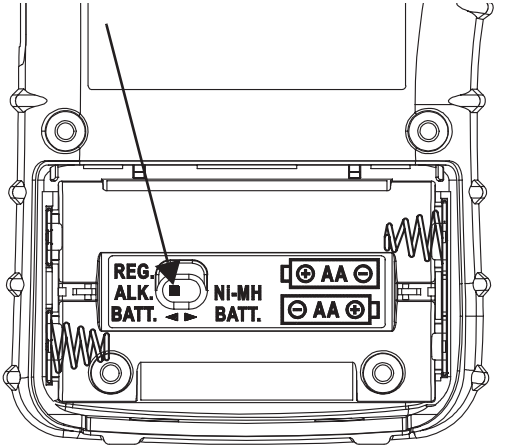
- If your scanner receives interference or electrical noise, move the scanner or its antenna away from the source.
- To improve the scanner's reception, use an optional external antenna designed for multi-band coverage. (You can purchase this type of antenna at a local electronics store). If the optional antenna has no cable, use 50-70 ohm coaxial cable for lead-in. A mating plug might be necessary for the optional antennas.
- Use an included earphone or mono headset with proper impedance for private listening. Read the precautions on the inside front cover of this Owners Manual.
- Do not use the scanner in high-moisture environments such as the kitchen or bathroom.
- Avoid placing the scanner in direct sunlight or near heating elements or vents.

Using Internal Batteries

You can power your scanner using two alkaline or rechargeable AA batteries (not supplied).

Using Non-Rechargeable Batteries

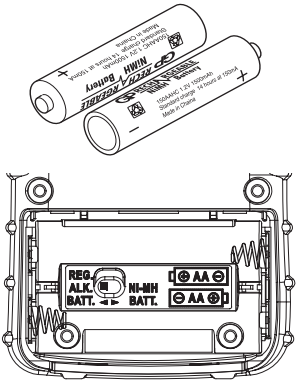
1. Make sure the power is turned off.
2. Slide the battery compartment cover.
3. Before you install alkaline or any other non-rechargeable batteries, use a pointed object such as a ballpoint pen to set **REG. ALK. BATT./ NI-MH BATT.** inside the compartment to **REG. ALK. BATT.**.



WARNING!

Set **REG. ALK. BATT./NI-MH BATT.** to **NI-MH BATT.** only if you are using rechargeable batteries. Never attempt to recharge non-rechargeable batteries. Non-rechargeable batteries can get hot or burst if you try to recharge them.

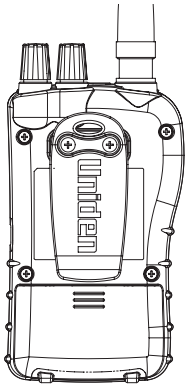
4. Install two batteries in the compartment as indicated by the polarity symbols (+ and -) marked inside.



Cautions:

- Use only fresh batteries of the required size and recommended type.
- Always remove old or weak batteries. Batteries can leak chemicals that destroy electronic circuits.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

5. Replace the cover.



6. When BATT flashes and the scanner beeps every 15 seconds, replace both batteries.

Using Rechargeable Batteries

You can also use two rechargeable batteries to power your scanner. Before you use Ni-MH or Ni-Cd batteries, you must charge them.

The scanner has a built-in circuit that lets you recharge Ni-MH or Ni-Cd batteries while they are in the scanner. To charge the batteries, set **REG. ALK. BATT./NI-MH BATT.** inside the battery compartment to **NI-MH BATT.**, install the batteries in the scanner, and connect the included external DC adapter or optional external AC adapter to the scanner's DC 6V jack (see “Using DC power” on Page 19 and “Using AC Power” on Page 20).

WARNING!

Do not connect either adapter to the scanner if non-rechargeable batteries (such as alkaline batteries) are installed in the scanner and **REG. ALK. BATT./NI-MH BATT.** is set to **NI-MH BATT.**, or if you are unsure of the switch's position. Non-rechargeable batteries will get hot and can even burst if you try to recharge them.

Before you use Ni-MH or Ni-Cd batteries for the first time, charge them for 16 hours to bring them to a full charge.

Discharged batteries take about 16 hours to fully recharge.

Notes:

- Ni-MH batteries last longer and deliver more power if you occasionally let them fully discharge. To do this, simply use the scanner until it beeps every 15 seconds and BATT flashes.
- To prevent damage to Ni-MH batteries, never charge them in an area where the temperature is above 113°F (45°C) or below 40°F (4°C).
- If you connect an external power source to the scanner with **REG. ALK. BATT./NI-MH BATT.** set to **REG. ALK. BATT.**, the scanner does NOT charge the batteries. Make sure that you use the correct batteries and set **REG. ALK. BATT./ NI-MH BATT.** to the correct position when you connect an external power source.
- For longer operation, you can also use high-capacity Ni-MH batteries to power the scanner. This type of battery takes longer to recharge. You can get high-capacity Ni-MH batteries at your local electronics store.

Using DC power

To power the scanner from a vehicle's 9.0-29V power source (such as a cigarette-lighter socket), you need a cigarette-lighter adapter.

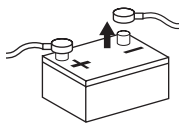
To connect a DC cigarette-lighter power cable, insert its barrel plug into the DC 6V jack on the side of the scanner, then plug the power cable into your vehicle's cigarette lighter socket.

Note: If you use a cigarette-lighter power cable and your vehicle's engine is running, you might hear electrical noise from the engine while scanning. This is normal.

Caution: DC 6 V Jack can use a power source that supplies 9.0-29V DC at least 800mA.

You must use a power source that supplies 9.0-29V DC and delivers at least 800mA. Your standard 9.0-29V car battery should be sufficient. The cord connector's center tip must be set to positive and its plug must fit the scanner's DC 6 V jack. The supplied DC power cord meets these specifications. Using a power cord that does not meet these specifications could damage the scanner or the adapter.

- Always connect the adapter or DC power cord to the scanner before you connect it to the power source. When you finish, disconnect the adapter or DC power cord from the power source before you disconnect it from the scanner.
- For added safety and to protect your scanner, disconnect the cable from your vehicle battery's negative (-) terminal before you begin.



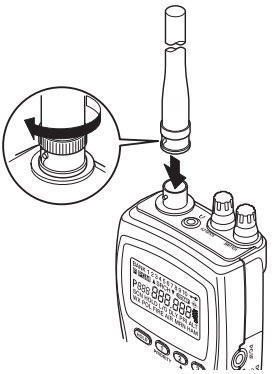
Using AC Power

You can power the scanner using an optional 6V, 500 mA AC adapter.

To use the scanner on AC power, plug the AC adapter into DC 6V on the side of the scanner then plug the other end into a standard AC outlet.

If rechargeable batteries are installed and **REG. ALK. BATT./NI-MH BATT.** is set to **NI-MH BATT.**, the adapter powers the scanner and recharges the installed batteries at the same time.

Connecting the Antenna



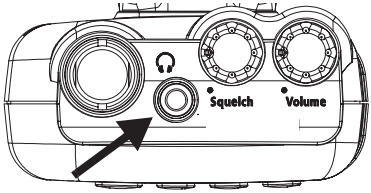
To attach the supplied flexible antenna to the connector on the top of your scanner, align the slots around the antenna's connector with the tabs on the scanner's BNC connector. Then slide the antenna's connector down over the scanner's connector and rotate the antenna connector's outer ring clockwise until it locks into place.

Connecting an Optional Antenna

The scanner's BNC connector makes it easy to connect a variety of optional antennas, including an external mobile antenna or outdoor base station antenna.

Note: Always use 50-ohm, RG-58, or RG-8, coaxial cable to connect an outdoor antenna. If the antenna is over 15 metres from the scanner, use RG-8 low-loss dielectric coaxial cable. You can get a BNC adapter at your local electronics store.

Connecting an Earphone/Headphone



For private listening, you can plug a 3.5 mm mini-plug earphone or mono headphones (not supplied) into the headphone jack on top of your scanner. This automatically disconnects the internal speaker.

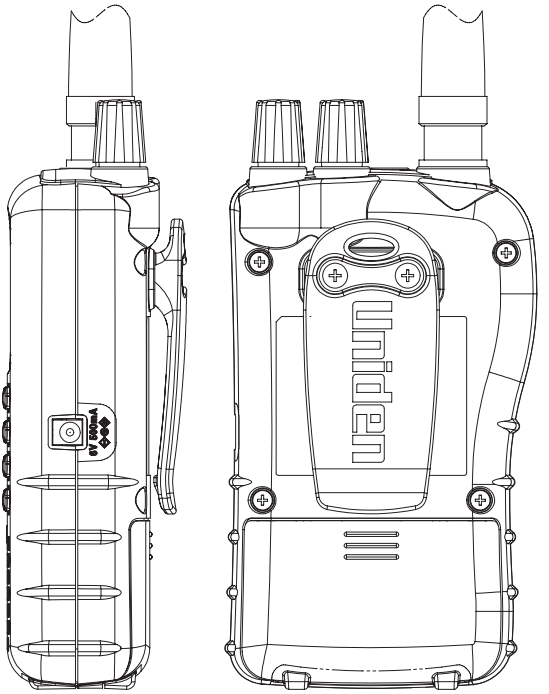
Connecting an Extension Speaker

In a noisy area, an optional extension speaker, positioned in the right place, might provide more comfortable listening. Plug the speaker cable's 3.5-mm mini-plug into your scanner's jack.

WARNING!

If you connect an external speaker to the scanner's headphone jack, never connect the audio output line to a power supply and ground. This might damage the scanner.

Attaching the Belt Clip



To make your scanner easier to carry when you are on the go, use the supplied belt clip. Use a Phillips screwdriver and the supplied screws to attach the clip to the scanner.

About Your Scanner

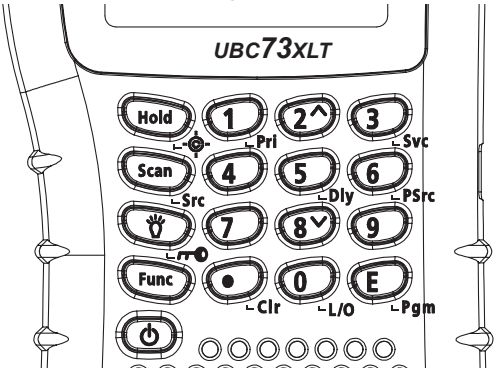
We use a few simple terms in this manual to explain the features of the scanner. Familiarize yourself with these terms and the scanner's features, and you can put the scanner to work for you right away. Simply determine the type of communications you want to receive, then set the scanner to scan those communications.

A frequency, expressed in kHz or MHz, is the tuning location of a station. To find active frequencies, you use the search function or refer to a frequency reference.

Besides searching within a selected frequency range, you can also search your scanner's service banks. Service banks are preset groups of frequencies categorized by the type of services that use those frequencies.

When you search and find a desired frequency, you can store it into a programmable memory location called a channel. Channels are grouped into channel-storage banks. The scanner has 10 channel-storage banks and each bank has 10 channels. You can scan the channel-storage banks to see if there is activity on the frequencies stored there.

A Look At The Keypad



Your scanner's keys have various functions labeled on the key tops and below the keys.

To select the function labeled on a key, simply press the key. To select the function labeled below a key, first press **Func** then release it. F appears on the display. Then press the next key in the function key sequence while F appears. F appears or disappears as you press **Func**.

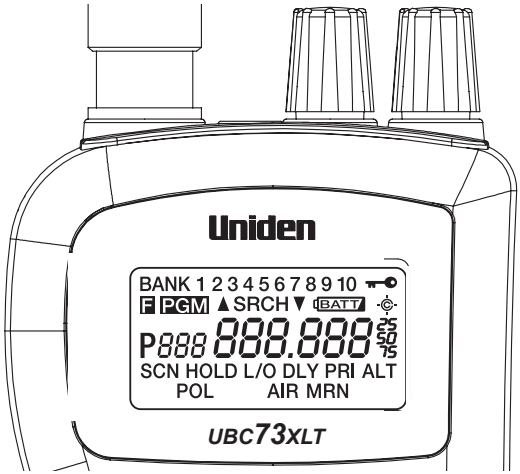
If your scanner's keys seem confusing at first, the following information should help you understand each key's function.

Key Name	Description
Hold/	**Hold** – Holds the scan or the frequency search. Press and hold **Hold** to increment channels continuously. **Func** + – Switches between the three Close Call modes.

Key Name	Description
Scan/Src	**Scan** – Scans the stored channels.
	Func + **Src** – Starts chain search or resumes searching.
/	– Turns the display backlight on or off.
	Func + – Locks and unlocks the keypad.
Func	Lets you use various functions by pressing this key in combination with other keys.
	Press and hold for more than 2 seconds to turn the scanner on or off.
1/Pri	**1** – Enters a 1.
	Func + **Pri** – Sets and turns the priority function on or off.
2/	**2** – Enters a 2.
	Func + – Selects the search direction.
3/Svc	**3** – Enters a 3.
	Func + **Svc** – Sets and turns the service search function on.
4	**4** – Enters a 4.
5/Dly	**5** – Enters a 5.
	Func + **Dly** – Sets and turns the delay function on or off.

Key Name	Description
6/PSrc	**6** – Enters a 6.
	Func + **PSrc** – Sets and turns program band select mode on or off.
7	**7** – Enters a 7.
8/∨	**8** – Enters an 8.
	Func + ∨ – Selects the search direction.
9	Enters a 9.
•/Clr	• – Enters a decimal point.
	Clr – Clears a frequency you entered by mistake.
0/L/O	**0** – Enters a 0.
	Func + **L/O** – Lets you lock out a selected channel or skip a specified frequency.
E/Pgm	**E** – Enters frequencies into channels.
	Func + **Pgm** – Lets you program the frequency.

A Look At The Display



The display has indicators that show the scanner's current operating status. The display information helps you understand how your scanner operates.

BANK - appears with numbers (1-10).

- appears when you lock the keypad.

F - appears only when the function mode is on.

PGM - appears while you store a frequency into a channel.

SRCH - appears during search mode.

▼ or ▲ - appears during search mode.

BATT - alerts you when the battery power gets low.

- appears when the scanner is set to a Close Call mode.

P - appears when you select a priority channel.

SCN - appears when you scan channels.

HOLD - appears during scan hold mode and search hold mode.

L/O - appears when you manually select a channel you locked out or a skip frequency.

DLY - appears when you select a delay.

PRI - appears when the priority feature is turned on.

POL, rlr, AIR, MRN, ucb, or Acb - appears along with an indicator that shows the current service bank during a service search.

ALT - appears when the Close Call alert beep sounds while the Close Call function is on.

Understanding Banks

Service Banks

The scanner is preprogrammed with all the frequencies allocated to the police, railroad, marine, aircraft, UHF CB, and AM CB services.

Police, railroad and AM CB preset frequencies in the service bank are valid for Australia ONLY. Aircraft, Marine and UHF CB preset frequencies are valid for both Australia and New Zealand.

Channel-Storage Banks

To make it easier to identify and select the channels you want to listen to, the 100 channels are divided into 10 channel-storage banks. Each bank has 10 channels. Use each channel-storage bank to group frequencies, such as those for the railroad, police department, or aircraft.

For example, the police department might use eight frequencies in your town while the railroad uses an additional four. You could program the eight police frequencies starting with Channel 1 (the first channel in bank 1), and program the railroad frequencies starting with Channel 11 (the first channel in bank 2).

Turning On The Scanner and Setting Squelch

Note: Make sure the scanner's antenna is connected before you turn it on.

1. Turn **Squelch** fully counterclockwise.
2. Press and hold ⏻ for about 2 seconds to turn the scanner on, then turn **Volume** clockwise until you hear a hissing sound.
3. If the scanner is scanning, press **Hold** to stop scanning, then turn **Squelch** clockwise until the hissing stops.

Storing Known Frequencies Into Channels

1. Press **Hold**. Then enter the channel number where you want to store a frequency, then press **Func** and **Pgm**. The channel number appears.
2. Use the number keys and • to enter the frequency (including the decimal point) you want to store.
3. Press **E** to store the frequency into the channel.

Notes:

- If you entered an invalid frequency in Step 2, `Error` appears and the scanner beeps three times. Enter a valid frequency.
- The scanner automatically rounds the entered number to the nearest valid frequency. For example, if you enter 151.473 (MHz), your scanner accepts it as 151.475.
- When you enter a frequency into a channel, the scanner automatically turns on the delay function and `DLY` appears. When delay is turned on, the scanner automatically pauses scanning

2 seconds after the end of a transmission before scanning proceeds to the next channel. To turn the function off or on, press **Func** + **Dly**.

- If you enter a frequency that has already been entered elsewhere, the scanner sounds an error tone and displays the channel that was duplicated. If you entered the frequency by mistake, press **Clr** then enter the correct frequency. To enter the frequency anyway, press **E** to accept.

4. To program the next channel in sequence, press **E/Pgm** then repeat Steps 2 and 3.

Searching For and Temporarily Storing Active Frequencies

If you do not have a reference to frequencies in your area, use a search to find a transmission.

There are two search features available. Service Search (see below) and Chain Search on page 38.

Note: When the scanner starts searching, it automatically turns on the delay function. To turn delay on or off, press **Func** + **Dly**.

Service Search

You can search for police, railroad, marine, aircraft, UHF CB, and AM CB transmissions without knowing the specific frequencies used in your area. The scanner is preprogrammed with all the frequencies allocated to these services. To use this feature, press **Func** + **Svc**. SRCH appears and the scanner searches starting with the police service bank. To select a different service bank, repeatedly press **Func** + **Svc**. Service mode appears on the display.

When the scanner stops on a transmission, press **Hold** to stop searching and listen to the transmission. Hold appears. In this mode, you can

press **Func** + ∧ or **Func** + ∨ to step through the frequencies.

To release the hold and continue searching, press **Hold**. Or, if you did not press **Hold**, simply press **Func** + ∧ or **Func** + ∨ to continue searching.

Note: Because there are many different frequencies allocated to police departments, it can take several minutes to search all the service frequencies.

Storing Frequencies into Channels During Service Search

You can store frequencies you found during service search or service search hold mode into channels.

1. Press **Func** and **Pgm** during service search or service search hold mode. The frequency and the lowest blank channel alternately appear.
2. Press **E** to store the frequency into the blank channel. If you want to select another channel, press **Func** + ∧ or **Func** + ∨ before you press **E**. You can also use the 0-9 key to select the bank.

If you entered a frequency that has already been entered elsewhere, the scanner sounds an error tone and displays the channel that was duplicated. If you entered the frequency by mistake, press **Clr** then enter the correct frequency. To enter the frequency anyway, press **E** to accept.

Scanning the Stored Channels

To begin scanning channels, press **Scan**.
The scanner scans through all non-locked channels in the activated banks. (See “Locking Out Channels” on Page 45 and “Turning Channel-Storage Banks On and Off” on Page 44). When the scanner finds a

transmission, it stops on it. When the transmission ends, the scanner resumes scanning.

Notes:

- If you have not stored frequencies into any channels, the scanner does not scan.
- If the scanner picks up unwanted partial, or very weak transmissions, turn **Squelch** clockwise to decrease the scanner's sensitivity to these signals. To listen to a weak or distant station, turn **Squelch** counterclockwise.
- To ensure proper scanning, adjust **Squelch** until the audio mutes.

Manually Selecting a Channel

You can continuously monitor a single channel without scanning. This is useful if you hear an emergency broadcast on a channel and do not want to miss any details - even though there might be periods of silence - or if you want to monitor a specific channel.

To manually select a channel, press **Hold**, enter the channel number then press **Hold** again.

Or, during scanning, if the radio stops at a channel you want to listen to, press **Hold** once. (Repeatedly pressing **Hold** at this time causes the scanner to step through the channels.) Press **Scan** to resume automatic scanning.

Close Call™ RF Capture Technology

Your scanner's Close Call feature lets you set the scanner so it detects then displays the frequency of a nearby strong radio transmission. Close Call RF capture works great for finding frequencies at venues such as malls and sporting events. You can set the scanner so Close Call detection works “in the background” while you are scanning other frequencies, turn off normal scanning while Close Call is working, or turn off the Close Call feature and use the scanner normally. You can set the scanner so it alerts you when the Close Call feature detects a frequency. You can also set the frequency band where you want the scanner to look for transmissions.

Unlike searching, which requires the scanner to tune to a frequency to check for a transmission, Close Call RF capture directly detects the presence of a strong, nearby signal and instantly tunes to the source’s frequency.

Notes:

- Close Call RF capture works well for locating the source of strong local transmissions such as mobile and handheld two-way radios in areas with no other strong transmission sources. However, if you are in an area with many transmission sources (such as pager radio transmitters, multi-use radio towers, traffic control devices, etc.), Close Call RF capture might not find the transmission you are searching for, or it might find a transmission other than the one you are searching for.
- Close Call RF capture cannot detect satellite dishes or any transmitter with a frequency above or below the frequency ranges listed under “Setting the Close Call Options” on Page 35.

- Close Call works better with some types of transmissions than others. It might not correctly display frequency information for transmitters using a highly directive antenna (such as an amateur radio beam antenna), if there are many transmitters operating at the same time in the same area, or if the transmitter is a broadcast television station.

Setting the Close Call Options

1. Press **Func** then press and hold for 2 seconds. One of the following Close Call options appears.

   C-C.bnd: Lets you select the Close Call band.

   C-C.ALt: Lets you select the Close Call alert settings.

   C-C.PS: Lets you turn Pager Screen on or off. Pager Screen lets you set the scanner so it does not detect pager frequencies.

2. Repeatedly press ∧ or ∨ to select the option you want, then press **E**.

   If you selected C-C.bnd, one of the following band names appears.

   bnd Lo: VHF Low Band (25.0000 - 88.0000 MHz)

   bnd Air: AIR Low Band (108.0000 - 136.9875 MHz)

   bnd Hi: VHF High Band (137.0000 - 174.0000 MHz)

   bnd UHF: UHF Band (400.0000 - 512.0000 MHz)

   If you selected C-C.Alt, skip to Step 5. If you selected C-C.PS, skip to Step 7.

3. Repeatedly press ∧ or ∨ until the band you want to search appears, then press **E** to select it. Otherwise, press • if you do not want to select it.

   The scanner displays the following options.

   `Lo On` or `Lo OFF`: Lets you select the VHF Lo frequency band.

   `Air On` or `Air OFF`: Lets you select the Air frequency band.

   `Hi On` or `Hi OFF`: Lets you select the VHF Hi frequency band.

   `UHF On` or `UHF OFF`: Lets you select the UHF frequency band.

4. Repeatedly press ∧ or ∨ until the option you want appears, then press **E** to select it. Otherwise, press • if you do not want to select it. Then skip to Step 9.

5. Press **E** while `C-C.Alt` appears. One of the following alert options appears.

   `ALt bEEP`: The scanner beeps when a Close Call signal is detected.

   `ALt Light`: The scanner flashes the display backlight when a Close Call signal is detected.

   `ALt bP-Lt`: The scanner flashes the display backlight and beeps when a Close Call signal is detected.

   `ALt OFF`: The scanner does not provide any alert when a Close Call signal is detected.

6. Repeatedly press ∧ or ∨ until the option you want appears, then press **E** to select it. Otherwise, press • if you do not want to select it. Then skip to Step 9.

7. Press **E** while C-C.PS appears. One of the following Pager Screen options appears.

   PS On: The scanner ignores hits on common pager frequencies.

   PS OFF: The scanner alerts you when it receives hits on common pager frequencies.

8. Repeatedly press ∧ or ∨ until the option you want appears, then press **E** to select it.
9. When you select the option, press **Scan** to start Close Call search. Otherwise, to continue normal scanning, repeatedly press **Func** until F disappears then press **Scan**.

Using Close Call RF Capture

To turn on the Close Call feature, press **Func** + once except in band select or program mode. appears. Every 2 seconds, the scanner checks for frequencies in the range you specified in "Setting the Close Call Options" on Page 35 and interrupts the audio when it checks for a Close Call transmission in that range.

Notes:

- Set the squelch tight (where only strong signals are received) while using Close Call.
- To continue scanning normally while the Close Call feature is working, simply press **Scan** twice.

When the scanner finds a frequency, it sounds the alert you specified in "Setting the Close Call Options" on Page 35, and Found flashes. Press any key to confirm the displayed frequency. Press **Scan** to resume scanning. Or press ∧ or ∨ while the frequency and F appear to select the band where you are searching.

To turn on the Close Call feature and turn off normal scanning, press (**Func** +) twice. flashes.
To turn off Close Call and turn on normal scanning, press (**Func** +) three times. disappears.

Chain Search

This feature lets you search through preset frequency ranges. You can also change each range to a range you set. There are three modes within this feature: chain search mode, chain search hold mode, and program band select mode.

The preset frequency ranges are:

Bank No.	Frequency (MHz)	Step (kHz)
1	25.0000-27.9950	**5**
2	28.0000-69.9950	**5**
3	70.0000-88.0000	**12.5**
4	108.0000-136.9875	**12.5**
5	137.0000-147.9950	**5**
6	148.0000-174.0000	**12.5**
7	400.0000-419.99375	**6.25**
8	420.0000-449.99375	**6.25**
9	450.0000-469.99375	**6.25**
10	470.0000-512.0000	**6.25**

Chain Search Mode

Press **Func** + **Src** to start chain search mode. SRCH, the enabled search bank number, and ▼ or ▲ (indicating the search direction) appear. The search bank number being searched flashes.

Press **0**-**9** to enable or disable the search bank number being searched in this mode. Enabled bank numbers appear. (Disabled bank numbers disappear).

At least one search bank must be enabled. (The scanner sounds an error tone if you try to disable all the search banks). The search bank and the frequency where chain search starts depends on how the scanner was set before you selected chain search mode.

Chain Search Hold Mode

To start chain search hold mode, press **Hold** in chain search mode. The scanner stops searching and `Hold` appears. In this mode, pressing **Func** + ∨ changes the search direction downward and pressing **Func** + ∧ changes the search direction upward. ▼ or ▲ appears according to the current search direction.

Storing Frequencies Found During Chain Search into Channel Memory

You can store frequencies you find in chain search mode or chain search hold mode.

1. Press **Func** + **Pgm** in chain search mode or chain search hold mode. The lowest blank channel and bank appear.
2. Press **E** to store the frequency into the blank channel. To select another channel, press **Func** + ∧ or **Func** + ∨ before you press **E**. You can also press 0-9 to select the bank.

If you try to save a frequency that is already stored, the scanner sounds an error tone and displays the channel that was duplicated. If you entered the frequency by mistake, press •. To enter the frequency anyway, press **E** to accept.

The scanner sets itself to program mode after you store a frequency.

Setting the Search Range

You can use this mode to define the search range used during a search in each search bank. To change a search range, press **Func** and **PSrc**. SRCH appears. Then select a search bank.

When you select the search bank, the lower limit and upper limit frequency assigned in the search bank alternate on the display.

To select another search bank, press **Func** + **PSrc** or **Func** + ∧ to increase the search bank number or **Func** + ∨ to decrease it. Hold down **Func** + ∧ or **Func** + ∨ for about 1 second to quickly move through the search bank numbers.

After choosing the search bank, follow these steps to set the lower limit and upper limit frequency.

1. Enter the lower limit frequency by using the 0-9 and • keys.
2. Press **E** to select the lower limit frequency.
3. Enter the upper limit frequency by using the 0-9 and • keys.
4. Press **E** to select the upper limit frequency.

Direct Entry Search

You can use direct entry search to search up or down from the currently displayed frequency.

1. If the scanner is scanning or searching, press **Hold**.

2. Enter the frequency you want to start from by using the number keys. (Press • to enter a decimal point).
3. Press **Func** + ∧ or **Func** + ∨. The scanner searches, starting from the frequency you entered in Step 2.

If you enter a frequency that is out of range, the scanner sounds an error tone and `Error` appears.

Press **Func** + ∨ to change the search direction downward or **Func** + ∧ to change the search direction upward. Frequencies appear during the search.

Notes:

- You can set the delay function on or off during the search or while the search stops.
- You can skip a frequency when the search stops. After the search skip frequency is set, the scanner starts direct search again.

Direct Entry Search Hold Mode

To stop searching during direct entry search, press **Hold**. `Hold` appears. In this mode, pressing **Func** + ∨ changes the search direction downward and pressing **Func** + ∧ changes the search direction upward. ▼ or ▲ appears depending on the search direction.

Press **Func** + ∨ to decrease the frequency by one step or **Func** + ∧ to increase it by one step. Hold down ∧ or ∨ for about 1 second to quickly increase or decrease the frequency.

To resume direct search, press **Func** + **Src** or **Hold**. ▼ or ▲ appears on the display, showing the search direction.

Storing Frequencies Found During Direct Entry Search into Channel Memory

Follow these steps to store frequencies received during direct entry search mode or direct entry search hold mode.

1. Press **Func** + **Pgm** in direct entry search mode or direct entry search hold mode. The frequency and lowest blank channel alternate on the display.
2. Press **E** to store the frequency into the blank channel. To select another channel, repeatedly press **Func** + ∧ or **Func** + ∨ to select the blank channel you want, then press **E**. You can also use the 0-9 keys to select the bank.

If you enter a frequency that has already been entered elsewhere, the scanner sounds an error tone and displays the channel that was duplicated. If you entered the frequency by mistake, press • . To enter the frequency anyway, press **E** to accept.

The scanner moves to program mode after you stored the frequency.

Search Skip Memory

You can skip up to 50 specified frequencies during a search. This lets you avoid unwanted frequencies or those already stored in a channel.

Note: Search skip frequencies are shared by service search, direct entry search, chain search, and Close Call modes. If skip frequencies are sent in certain mode, the frequencies are also skipped in other search modes and Close Call mode.

To skip a frequency, press **Func** and **L/O** when the scanner stops on the frequency during a search or a search hold. The scanner stores the frequency in

memory and automatically resumes the search if it is not in hold.

Follow these steps to clear a single frequency from skip memory so the scanner stops on it during a search.

1. Press **Hold** to stop the search.
2. Press **Func** + ∧ or **Func** + ∨ to select the frequency. L/O appears.
3. Press **Func** + **L/O**. L/O disappears.

To clear all the skip frequencies at once while searching or search hold, press **Func** then press and hold **L/O** until the scanner beeps.

Notes:

- If you selected all frequencies to be skipped within the search range, the scanner beeps 3 times and does not search.
- If you select more than 50 frequencies to skip, each new frequency replaces a frequency previously stored, beginning with the first stored frequency.
- Press **Func** + ∧ or **Func** + ∨ to select a skipped frequency while Hold appears. L/O appears when you select a skipped frequency.

Delay

Sometimes a user might pause before replying to a transmission. To avoid missing a reply on a specific channel, you can program a 2-second delay into any channel or frequency. The scanner continues to monitor the channel frequency for an additional 2 seconds after the transmission stops before resuming scanning or searching. The scanner automatically sets a delay when you store

frequencies into channels or when you search frequencies. When the delay feature is on, DLY appears. If it is off, follow one of these steps to program a delay depending on how the scanner is operating,.

- If the scanner is scanning and stops on an active channel where you want to store a delay, quickly press **Func** + **Dly** before it continues scanning again. DLY appears.
- If the desired channel is not selected, manually select the channel, then press **Func** + **Dly**. DLY appears.
- If the scanner is searching, press **Func** + **Dly** while the scanner is searching. DLY appears and the scanner automatically adds a 2-second delay to every frequency it stops on in that band.

To turn off the 2-second delay, press **Func** + **Dly** while the scanner is monitoring a channel, scanning, or searching. DLY disappears.

Turning Channel-Storage Banks On and Off

You can turn each channel-storage bank on and off. When you turn off a bank, the scanner does not scan any of the 10 channels in that bank.

While scanning, press the number key that corresponds to the bank you want to turn on or off. Numbers appear at the top of the display, showing the currently selected banks.

The scanner scans all the channels within the displayed banks that are not locked out (see “Locking Out Channels” on Page 45). The bank number flashes when the scanner scans a channel that belongs to the bank.

Notes:

- You can manually select any channel within a bank, even if that bank is turned off.
- You cannot turn off all banks. One bank must always be active.

Locking Out Channels

You can increase the scanning speed by locking out channels that have a continuous transmission. To lock out a channel, manually select the channel, then press **Func** + **L/O**. L/O appears.

Note: You can still manually select locked-out channels.

To remove the lockout from a channel, manually select the channel, then press **Func** + **L/O**. L/O disappears.

To unlock all channels in the banks that are turned on, press **Hold** to stop scanning, then press **Func** and press and hold **L/O** until the scanner beeps twice.

Priority

The priority feature lets you scan through the channels and still not miss important or interesting calls on specific channels. You can program one stored channel in each bank as a priority channel (10 for the banks).

If the priority feature is turned on, as the scanner scans the bank, it checks that bank's priority channel for activity every 2 seconds.

The scanner automatically designates each bank's first channel as its priority channel.

Follow these steps to select a different channel in a bank as the priority channel.

1. Manually select the channel you want to select as the priority channel.
2. Press **Func** + **Pgm**, then press **Func** + **Pri**. **P** appears to the left of the selected channel number.
3. Repeat Steps 1 and 2 for the channel in each bank you want to program as a priority channel.

To turn on the priority feature, press **Func** + **Pri** during scanning. PRI appears. Then the scanner checks the designated priority channel every 2 seconds in each bank.

To turn off the priority feature, press **Func** + **Pri**. PRI disappears.

Using Keylock

Use the scanner's keylock to protect it from accidental program changes. When the scanner's keys are locked, the only controls that operate are **Scan**, **Func**, **Hold**, , , and .

To turn on keylock, press **Func** + . appears. To turn off keylock, press **Func** + . disappears.

Note: Using keylock does not prevent the scanner from scanning channels.

Using the Display Backlight

To turn on the display light for easy viewing at night, press . The display lights for 15 seconds. To turn off the light sooner, press again.

Troubleshooting

If your UBC73XLT is not performing properly, try the following steps.

Problem	Possible Cause	Suggestion
The scanner doesn't work.	The scanner might not be receiving any power.	Check the batteries or make sure the AC adapter is connected to an AC outlet and the scanner.
		If there is a wall switch that controls power to the AC outlet where you connected the AC adapter, make sure it is on.
Improper reception.	The scanner's antenna might need to be adjusted.	Check the antenna connection or move or reposition the antenna.
		Move the scanner.
		You might be in a remote area that could require an optional multi-band antenna. Check with your dealer or local electronics store.
Scan won't stop.	The squelch might need to be adjusted.	Adjust the squelch threshold. See "Turning On The Scanner and Setting Squelch" on Page 30.

Scan won't stop (*continued*)	The antenna might need to be adjusted.	Check the antenna connection.
	One or more channels might be locked out.	Make sure the channels you want to scan are not locked out.
	The channel's frequency might not be stored in memory.	Make sure the channel's frequency is stored in the scanner's memory.
	The channel might not be active.	Wait for a transmission on the channel.
Scan won't start.	You must press **Scan** to scan.	Press **Scan**.
	The squelch might need to be adjusted.	Adjust the squelch threshold. See "Turning On The Scanner and Setting Squelch" on Page 30.
	One or more channels might be locked out.	Make sure the channels you want to scan are not locked out.
	The antenna might need to be adjusted.	Check the antenna connection.

Resetting the Scanner

If the scanner's display locks up or stops operating properly, you might need to reset the scanner.

Caution: This procedure clears all the information you have stored in the scanner. Before you reset the scanner, try turning it off and on to see if it begins working properly. Reset the scanner only when you are sure it is not working properly.

1. Turn off the scanner.
2. While holding down **2**, **9**, and **Hold**, turn on the scanner. It takes about 3 seconds to initialize and `CLEAr` appears.

Care and Maintenance

Keep the scanner dry. If it gets wet, wipe it dry immediately. Use and store the scanner only in normal temperature environments. Handle the scanner carefully: do not drop it. Keep the scanner away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

General Use

- Turn the scanner off before disconnecting the power.
- Always write down the programmed frequencies in the event of memory loss.
- If memory is lost, simply reprogram each channel. The display shows `000.000` in all channels when there has been a memory loss.
- Always press each button firmly until you hear the entry tone for that key entry.

Location

- Do not use the scanner in high-moisture environments such as the kitchen or bathroom.
- Avoid placing the unit in direct sunlight or near heating elements or vents.
- If the scanner receives strong interference or electrical noise, move it or its antenna away from the source of the noise. If possible, a higher elevation might provide better reception.
- Also try changing the height or angle of the antenna.

Cleaning

- Disconnect the power to the unit before cleaning.

- Clean the outside of the scanner with a mild detergent.
- To prevent scratches, do not use abrasive cleaners or solvents. Be careful not to rub the LCD window.
- Do not use excessive amounts of water.

Repairs

Do not attempt any repair. The scanner contains no user serviceable parts. Contact the Uniden Customer Service Center or take it to a qualified repair technician.

Birdies

All radios can receive “birdies” (undesired signals). If your scanner stops during Scan mode and no sound is heard, it might be receiving a birdie. Birdies are internally generated signals inherent in the electronics of the receiver.

Press **L/O** to lock out the channel, then press **Scan** to resume scanning.

If you have Internet access, you can visit *http://www.uniden.com.au* or *http://www.uniden.co.nz* for additional information.

Specifications

Channels: 100

Banks: ..... 10 (10 channels each)

Frequency Range (in MHz):

25.0-27.995 ..... Citizens Band/Business Band
28.0–69.995 ..... 10 Meter Amateur Band
137.0–147.995 ..... 2 Meter Amateur Band

Above bands in 5 kHz steps

70.0–88.0 ..... 6 Meter Amateur Band
108.0–136.9875 ..... Aircraft Band
148.0–174.0 ..... VHF High Band

Above bands in 12.5 kHz steps

400.0–512.0 ..... Land Mobile Band

Above band in 6.25 kHz steps

Sensitivity (SINAD 12 dB)

25.005 MHz (AM) .....0.5 µV
54.050 MHz (FM) .....0.3 µV
86.275 MHz (FM) .....0.3 µV
118.800 MHz (AM).....0.5 µV
127.175 MHz (AM).....0.5 µV
135.500 MHz (AM) .....0.5 µV
138.150 MHz (FM).....0.3 µV
162.400 MHz (FM) .....0.3 µV
173.225 MHz (FM) .....0.3 µV
406.875 MHz (FM).....0.4 µV
453.250 MHz (FM) .....0.4 µV
511.9125 MHz (FM) .....0.4 µV

Operating Temperature:

Normal .....–20°C to +60°C
Close Call .....–10°C to +50°C

Scan Rate: ..... 50 channels per second (max)

Search Rate

Normal .....60 steps per second (max)
Hyper ..... 180 steps per second (max)

Priority Sampling ..... 2 seconds

Scan Delay: ..... 2 seconds

IF Rejection (at 162.4 MHz) ..... 90 dB

IF Frequencies

1st IF (25-174 MHz).....380.6050-380.7000 MHz
1st IF (400-512 MHz) .... 380.60625-380.7000 MHz
2nd IF ..... 21.3 MHz
3rd IF ..... 450 kHz

Audio Output ..... 490 mW maximum

Built-in Speaker ..... 32 mm dia, 8 ohm Dynamic Type

Current Drain

Squelched .....110 mA
Full Output ..... 310 mA

Power Requirements:

2 AA Alkaline Batteries (3V DC),
or 2 AA Rechargeable Ni-MH Batteries (2.4V DC),
or AC Adapter (6 VDC 500mA)

Antenna: ..... 50 ohms (Impedance)

External Jacks: ..... Antenna Jack BNC Type
Ext. Speaker Jack 3.5mm

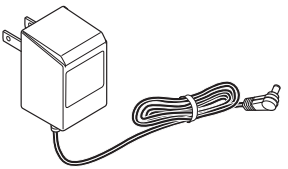
DC Power Jack .....4.4 mm

Size: .....68mm (W) x 31.5mm (D) x 115mm (H)

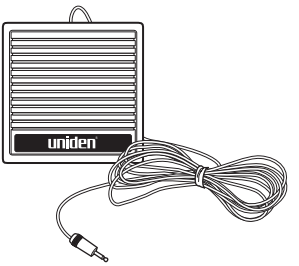
Weight: ..... 165 g

Features, specifications, and availability of optional accessories are all subject to change without notice.

Optional Accessories



AC Adapter



External Speaker

One Year Limited Warranty

UNIDEN UBC73XLT Scanning Receiver

IMPORTANT Satisfactory evidence of the original purchase is required for warranty service

Please refer to our Uniden website for any details or warranty durations offered in addition to those contained below.

Warrantor
The warrantor is either Uniden Australia Pty Limited ABN 58 001 865 498 ("Uniden Aust") or Uniden New Zealand Limited ("Uniden NZ") as the case may be.

Terms of Warranty
Uniden Aust/NZ warrants to the original retail purchaser only that the UBC73XLT ("the Product"), will be free from defects in materials and craftsmanship for the duration of the warranty period, subject to the limitations and exclusions set out below.

Warranty Period
This warranty to the original retail purchaser is only valid in the original country of purchase for a Product first purchased either in Australia or New Zealand and will expire one (1) year from the date of the original retail sale.

If a warranty claim is made, this warranty will not apply if the Product is found by Uniden to be:

(A) Damaged or not maintained in a reasonable manner or as recommended in the relevant Uniden Owner's Manual;

(B) Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Uniden Aust or Uniden NZ;

(C) Improperly installed contrary to instructions contained in the relevant Owner's Manual

(D) Repaired by someone other than an authorized Uniden Repair Agent in relation to a defect or malfunction covered by this warranty; or

(E) Used in conjunction with any equipment, parts or a system not manufactured by Uniden.

Parts Covered
This warranty covers the Product and included accessories.

User-generated Data
This warranty does not cover any claimed loss of or damage to user-generated data (including but without limitation phone numbers, addresses and images) that may be stored on your Product.

Statement of Remedy
If the Product is found not to conform to this warranty as stated above, the Warrantor, at its discretion, will either repair the defect or replace the Product without any charge for parts or service. This warranty does not include any reimbursement or payment of any consequential damages claimed to arise from a Product's failure to comply with the warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to and sits alongside your rights under either the COMPETITION AND CONSUMER ACT 2010 (Australia) or the CONSUMER GUARANTEES ACT (New Zealand) as the case may be, none of which can be excluded.

Procedure for Obtaining Warranty Service

Depending on the country in which the Product was first purchased, if you believe that your Product does not conform with this warranty, you should deliver the Product, together with satisfactory evidence of your original purchase (such as a legible copy of the sales docket) to Uniden at the addresses shown below. You should contact Uniden regarding any compensation that may be payable for your expenses incurred in making a warranty claim. Prior to delivery, we recommend that you make a backup copy of any phone numbers, images or other data stored on your Product, in case it is lost or damaged during warranty service.

UNIDEN AUSTRALIA PTY LTD
Service Division
345 Princes Highway,
Rockdale, NSW 2216
Phone number: 1300 366 895
Email address: custservice@uniden.com.au

UNIDEN NEW ZEALAND LTD
Service Division
150 Harris Road, East Tamaki
Auckland 2013
Phone number: (09) 273 8377
Email address: service@uniden.co.nz

Note:

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